

Data File : VV012301.D  
Acq On : 20 Aug 2019 02:22  
Operator : SY/MD  
Sample : K4373-20  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AG8

Quant Time: Aug 20 04:48:59 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR081919WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Aug 20 02:35:23 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 149497   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 145237   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 79017    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 43063    | 5.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 112.60% |
| 7) Chloroethane-d5             | 1.58   | 69    | 26095    | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 93.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 45910    | 3.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 63.20%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 47345    | 22.99    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 45.98%  |
| 24) Chloroform-d               | 4.40   | 84    | 85192    | 4.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 82.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 48392    | 4.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.00%  |
| 32) Benzene-d6                 | 5.10   | 84    | 169862   | 4.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 48079    | 4.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 88.60%  |
| 41) Toluene-d8                 | 7.36   | 98    | 158677   | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.80%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 19275    | 4.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 82.60%  |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 63304    | 43.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 86.00%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 37861    | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 91.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 72527    | 4.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 91.20%  |

#### Target Compounds

|                               |      |     |       |               | Qvalue |
|-------------------------------|------|-----|-------|---------------|--------|
| 3) Chloromethane              | 1.26 | 50  | 920   | 0.099 ug/L    | 89     |
| 8) Chloroethane               | 1.32 | 64  | 1182  | 0.241 ug/L    | 97     |
| 13) Acetone                   | 2.19 | 43  | 35871 | 33.297 ug/L # | 65     |
| 14) Carbon disulfide          | 2.32 | 76  | 3858  | 0.203 ug/L    | 99     |
| 15) Methyl Acetate            | 2.55 | 43  | 1083  | 0.507 ug/L #  | 44     |
| 21) 2-Butanone                | 4.01 | 43  | 13956 | 6.828 ug/L #  | 62     |
| 25) Chloroform                | 4.42 | 83  | 3048  | 0.141 ug/L    | 96     |
| 30) Cyclohexane               | 4.72 | 56  | 7746  | 0.533 ug/L    | 99     |
| 33) Benzene                   | 5.15 | 78  | 2561  | 0.064 ug/L    | 100    |
| 35) Methylcyclohexane         | 6.12 | 83  | 12759 | 0.723 ug/L #  | 20     |
| 37) 1,2-Dichloropropane       | 6.11 | 63  | 5917  | 0.629 ug/L #  | 81     |
| 39) cis-1,3-Dichloropropene   | 7.03 | 75  | 1458  | 0.098 ug/L #  | 77     |
| 42) Toluene                   | 7.43 | 91  | 7638  | 0.172 ug/L    | 96     |
| 44) trans-1,3-Dichloropropene | 7.66 | 75  | 760   | 0.064 ug/L #  | 74     |
| 48) 2-Hexanone                | 8.18 | 43  | 13523 | 3.807 ug/L #  | 80     |
| 52) Ethylbenzene              | 9.05 | 91  | 9748  | 0.196 ug/L    | 98     |
| 53) m,p-xylene                | 9.18 | 106 | 4627  | 0.238 ug/L    | 97     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV081919\  
Quantitation Report (Not Reviewed)

Data File : VV012301.D  
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Operator : SY/MD  
Sample : K4373-20  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 29 Sample Multiplier: 1

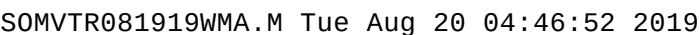
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AG8

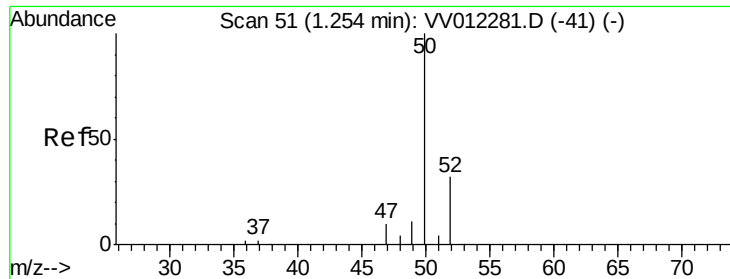
Quant Time: Aug 20 04:48:59 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR081919WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Aug 20 02:35:23 2019  
Response via : Initial Calibration

| Internal Standards   | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------|-------|------|----------|--------|-------|----------|
| 54) o-xylene         | 9.59  | 106  | 1905     | 0.102  | ug/L  | 91       |
| 56) Isopropylbenzene | 9.97  | 105  | 3075     | 0.060  | ug/L  | 96       |
| 69) Naphthalene      | 13.55 | 128  | 616136   | 27.925 | ug/L  | 100      |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.099 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV012301.D

Acq: 20 Aug 2019 02:22

Instrument :

MSVOA\_V

ClientSampleId :

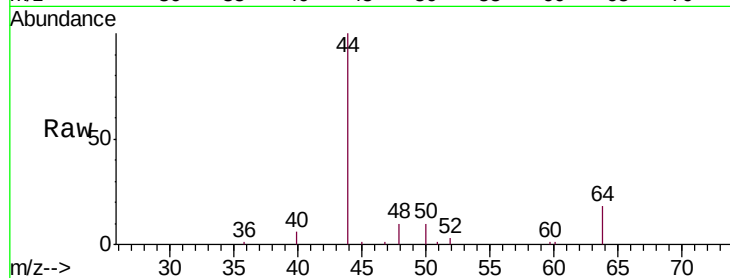
C0AG8

Tgt Ion: 50 Resp: 920

Ion Ratio Lower Upper

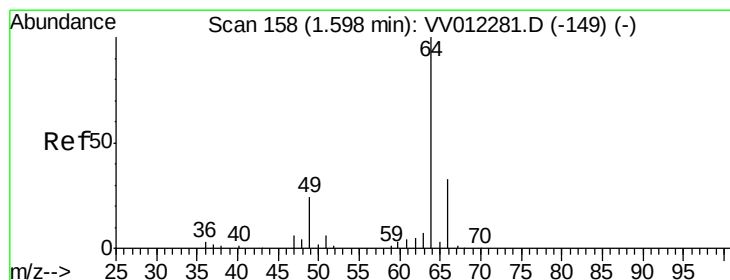
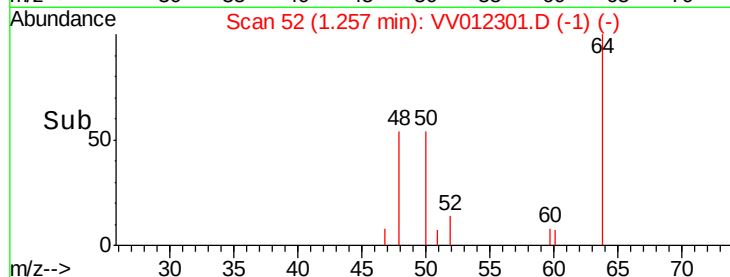
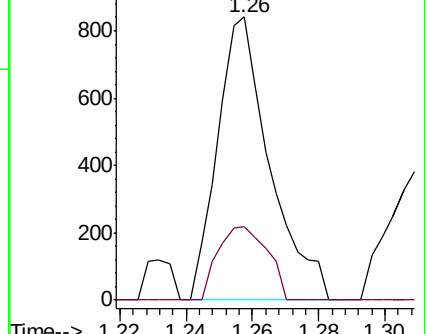
50 100

52 26.2 22.6 42.0



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#8

Chloroethane

Concen: 0.241 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.27 min

Lab File: VV012301.D

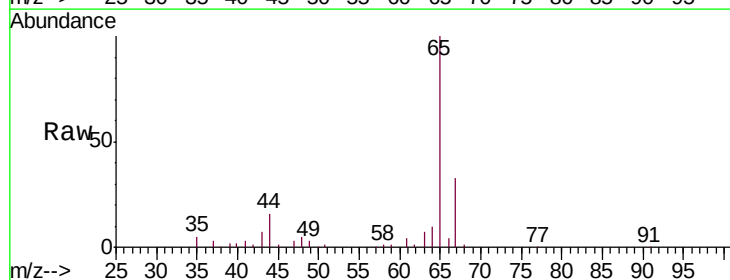
Acq: 20 Aug 2019 02:22

Tgt Ion: 64 Resp: 1182

Ion Ratio Lower Upper

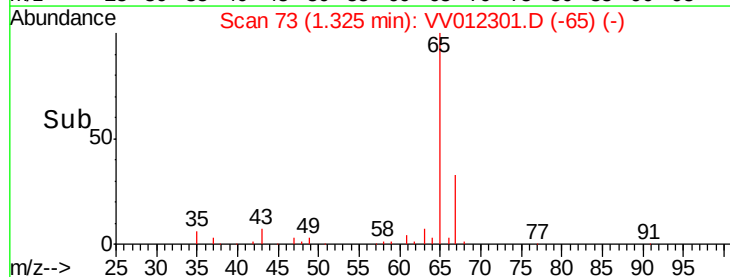
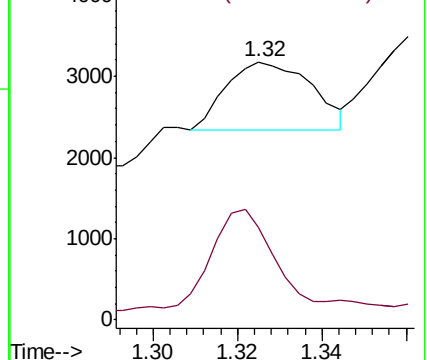
64 100

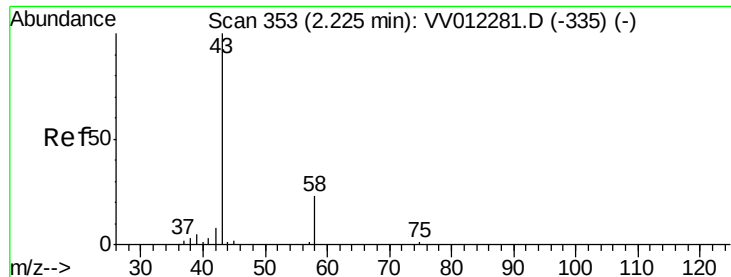
66 35.7 23.7 44.1



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#13

Acetone

Concen: 33.297 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.04 min

Lab File: VV012301.D

Acq: 20 Aug 2019 02:22

Instrument :

MSVOA\_V

ClientSampleId :

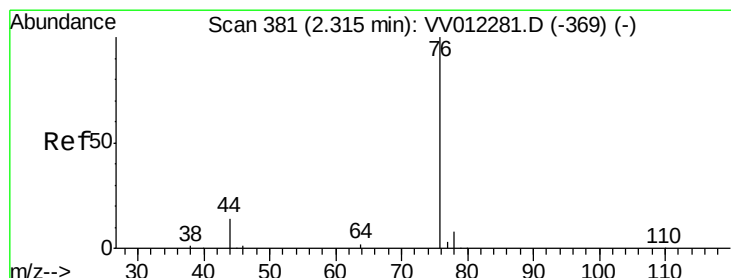
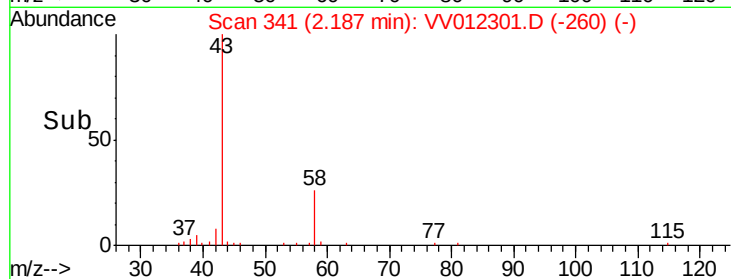
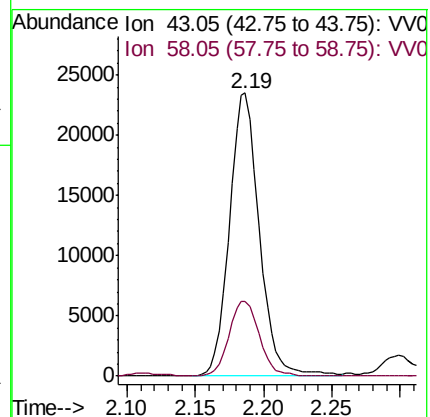
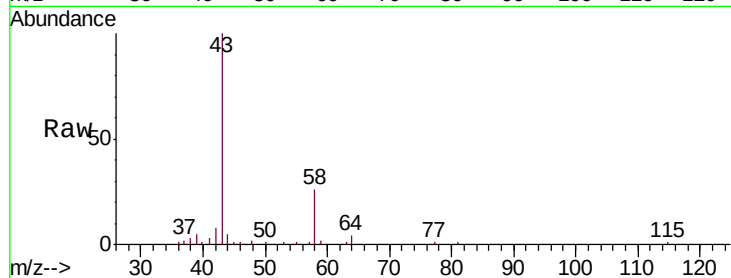
C0AG8

Tgt Ion: 43 Resp: 35871

Ion Ratio Lower Upper

43 100

58 26.7 0.0 25.6#



#14

Carbon disulfide

Concen: 0.203 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012301.D

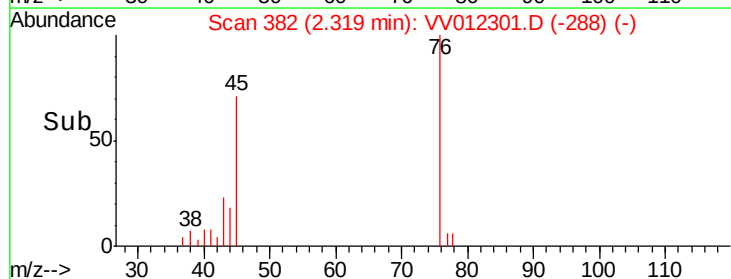
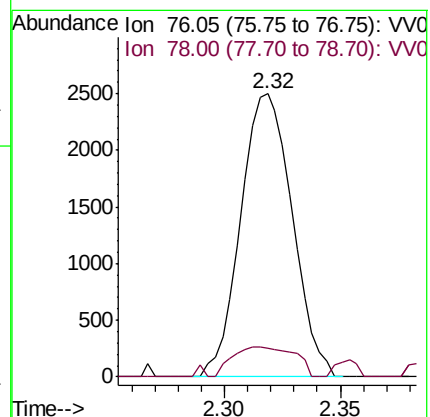
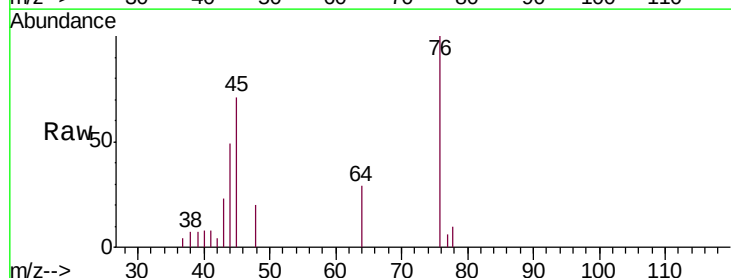
Acq: 20 Aug 2019 02:22

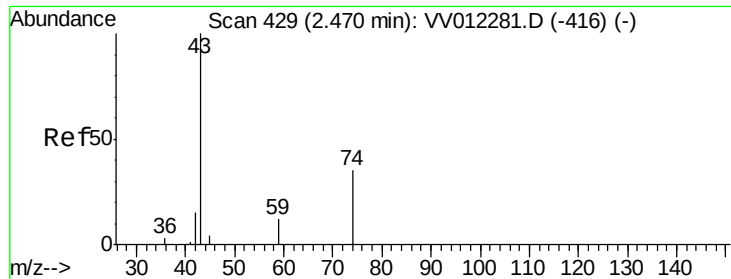
Tgt Ion: 76 Resp: 3858

Ion Ratio Lower Upper

76 100

78 10.2 8.3 12.5

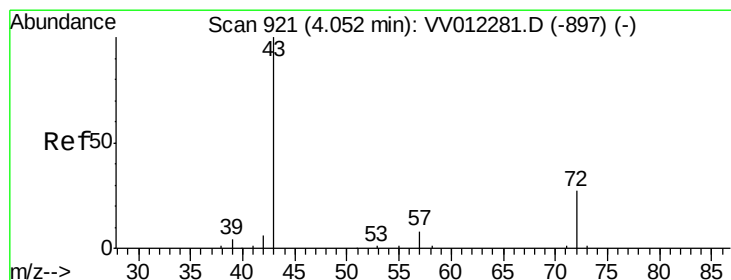
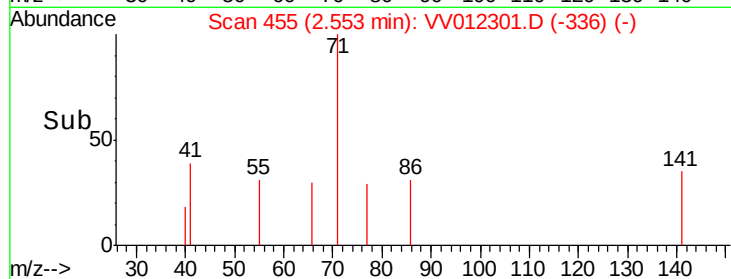
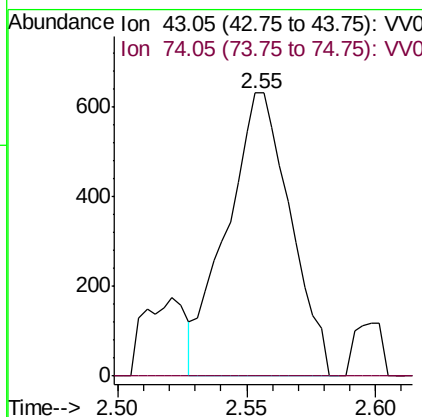
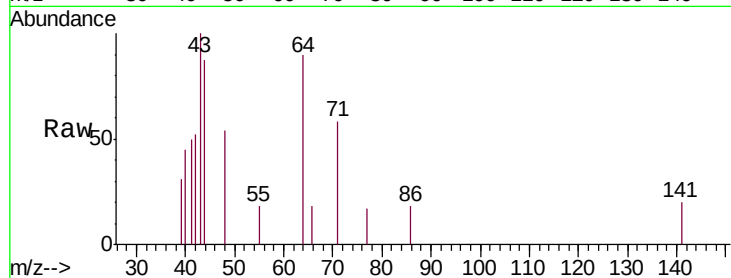




#15  
Methyl Acetate  
Concen: 0.507 ug/L  
RT: 2.55 min Scan# 455  
Delta R.T. 0.08 min  
Lab File: VV012301.D  
Acq: 20 Aug 2019 02:22

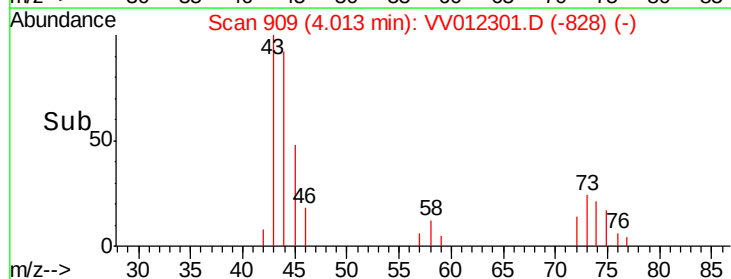
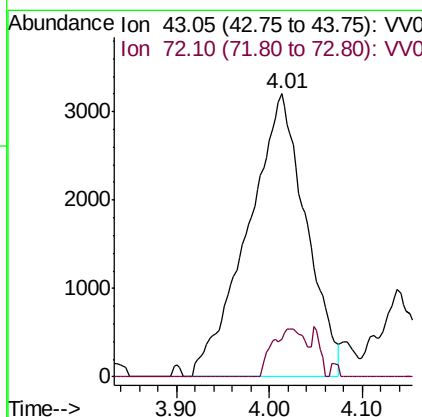
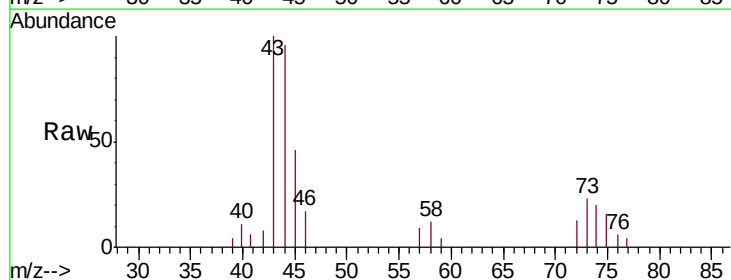
Instrument :  
MSVOA\_V  
ClientSampled :  
C0AG8

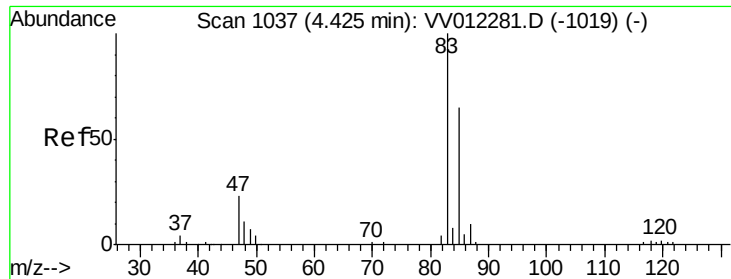
Tgt Ion: 43 Resp: 1083  
Ion Ratio Lower Upper  
43 100  
74 0.0 24.9 37.3#



#21  
2-Butanone  
Concen: 6.828 ug/L  
RT: 4.01 min Scan# 909  
Delta R.T. -0.04 min  
Lab File: VV012301.D  
Acq: 20 Aug 2019 02:22

Tgt Ion: 43 Resp: 13956  
Ion Ratio Lower Upper  
43 100  
72 9.4 14.8 44.4#

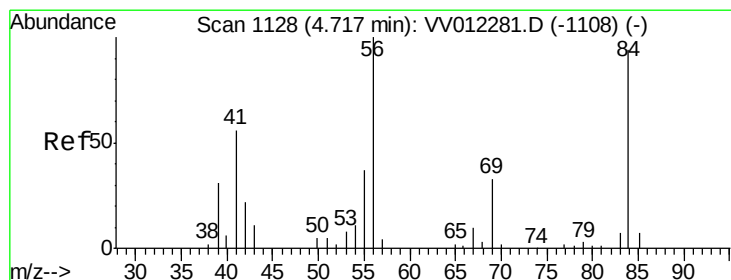
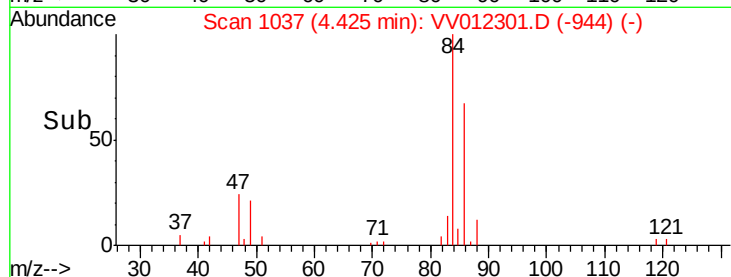
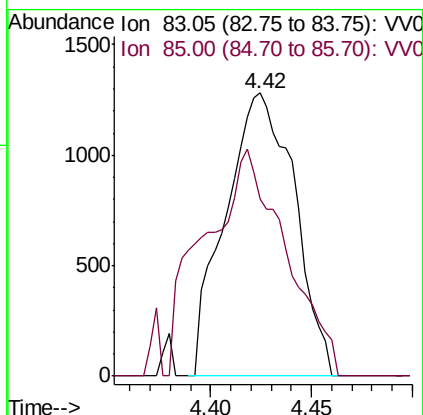
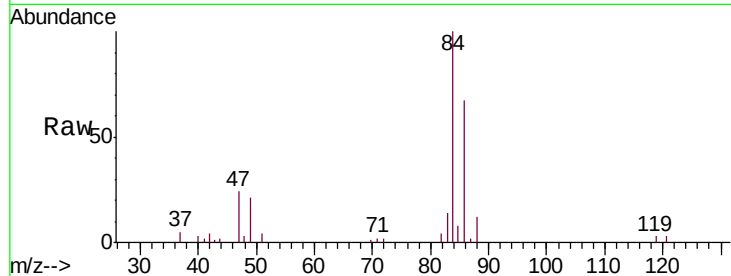




#25  
Chloroform  
Concen: 0.141 ug/L  
RT: 4.42 min Scan# 1037  
Delta R.T. -0.00 min  
Lab File: VV012301.D  
Acq: 20 Aug 2019 02:22

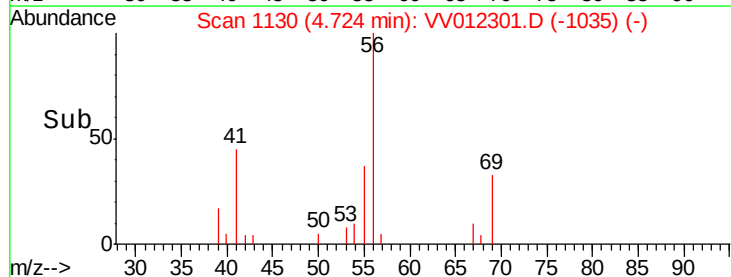
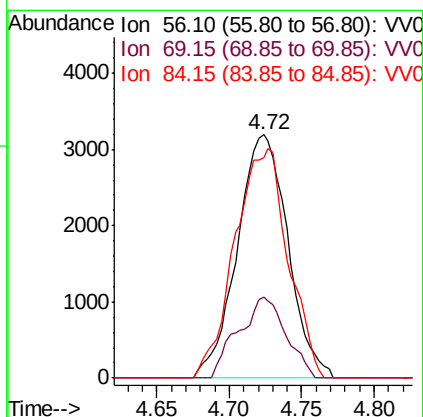
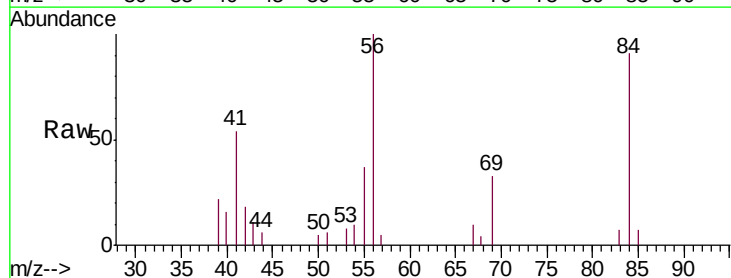
Instrument :  
MSVOA\_V  
ClientSampled :  
C0AG8

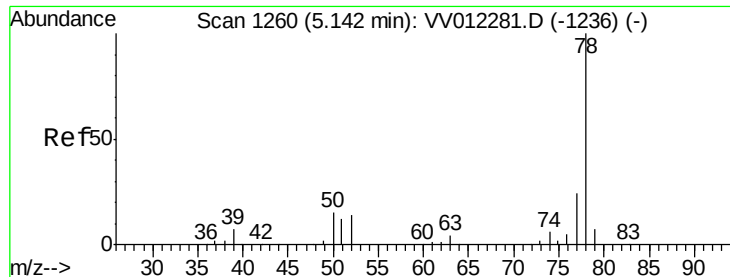
Tgt Ion: 83 Resp: 3048  
Ion Ratio Lower Upper  
83 100  
85 62.6 46.1 85.5



#30  
Cyclohexane  
Concen: 0.533 ug/L  
RT: 4.72 min Scan# 1130  
Delta R.T. 0.01 min  
Lab File: VV012301.D  
Acq: 20 Aug 2019 02:22

Tgt Ion: 56 Resp: 7746  
Ion Ratio Lower Upper  
56 100  
69 31.2 25.3 37.9  
84 99.2 79.9 119.9





#33

Benzene

Concen: 0.064 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VV012301.D

Acq: 20 Aug 2019 02:22

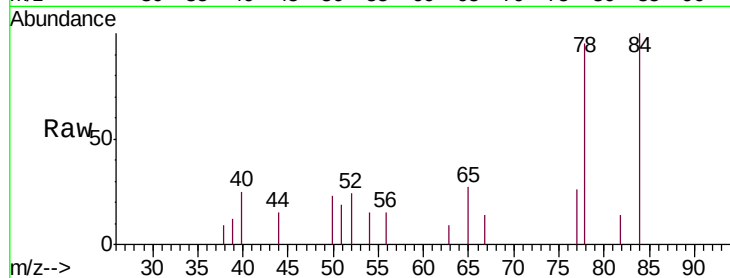
Instrument :

MSVOA\_V

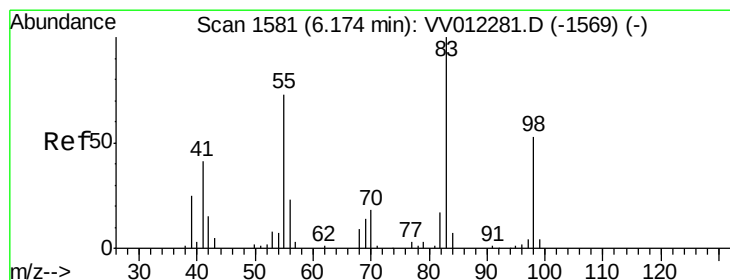
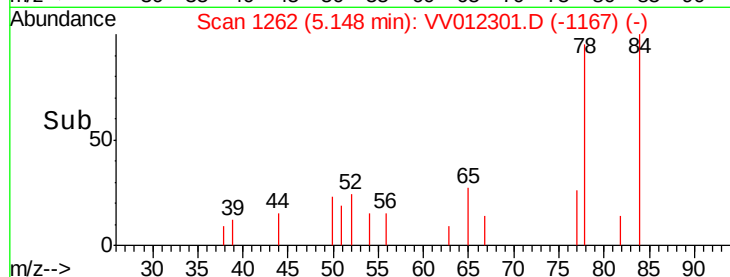
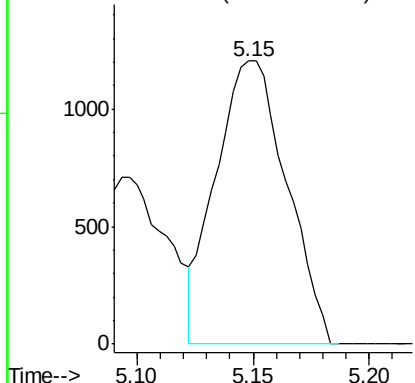
ClientSampleId :

C0AG8

Tgt Ion: 78 Resp: 2561



Abundance Ion 78.10 (77.80 to 78.80): VV0



#35

Methylcyclohexane

Concen: 0.723 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV012301.D

Acq: 20 Aug 2019 02:22

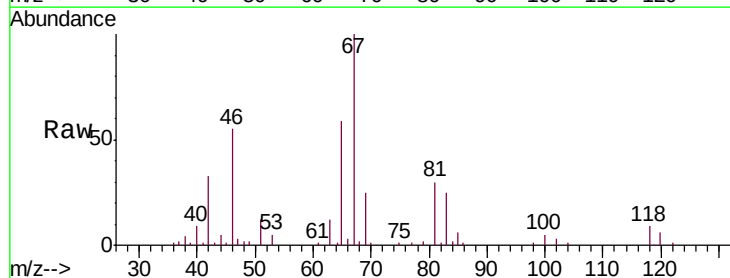
Tgt Ion: 83 Resp: 12759

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 0.0   | 57.3  | 85.9# |
| 98  | 0.6   | 40.3  | 60.5# |

83 100

55 0.0 57.3 85.9#

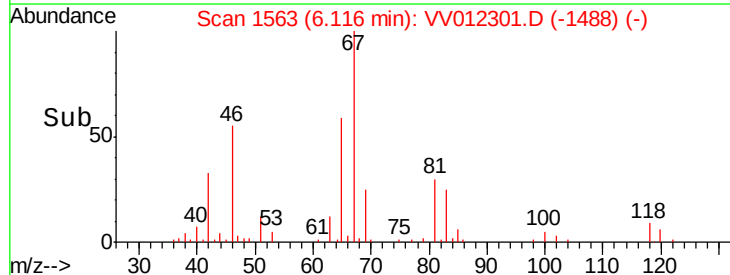
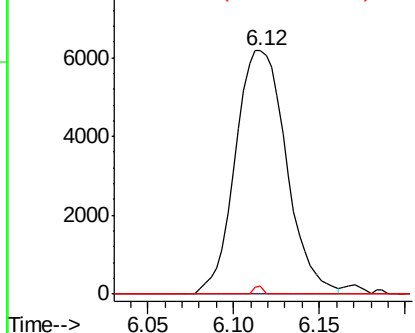
98 0.6 40.3 60.5#



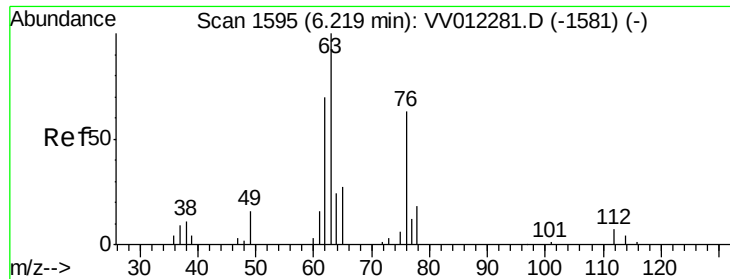
Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0



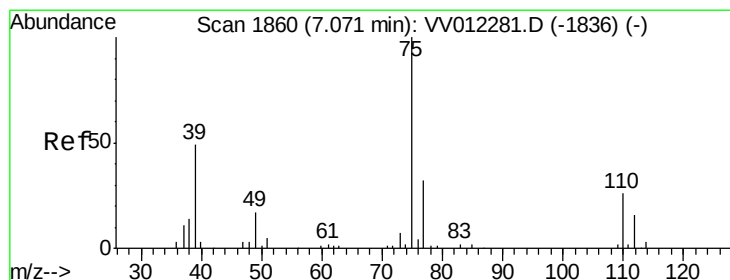
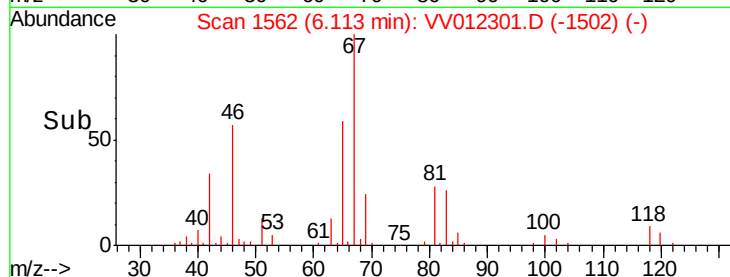
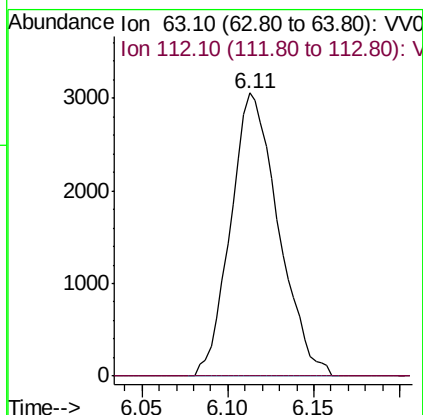
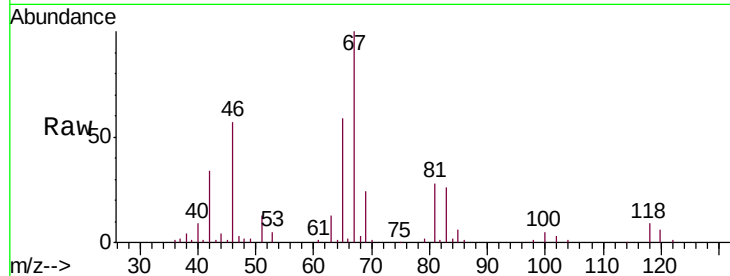




#37  
 1,2-Dichloropropane  
 Concen: 0.629 ug/L  
 RT: 6.11 min Scan# 1562  
 Delta R.T. -0.11 min  
 Lab File: VV012301.D  
 Acq: 20 Aug 2019 02:22

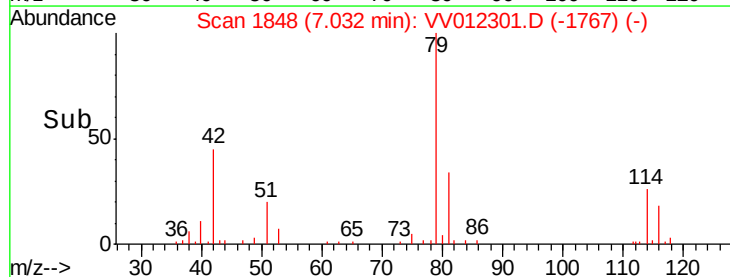
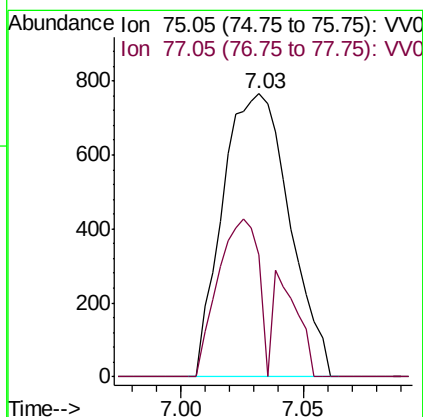
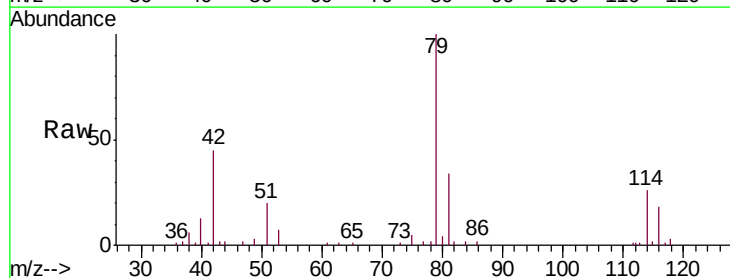
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 C0AG8

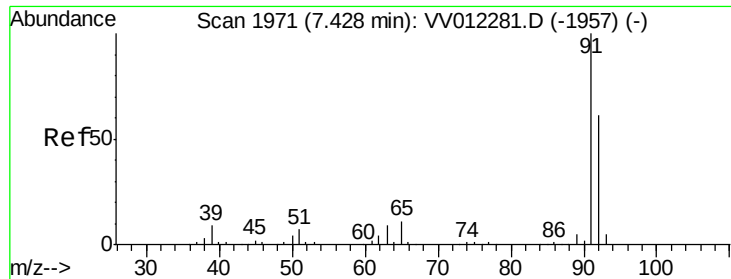
Tgt Ion: 63 Resp: 5917  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 5.1 7.7#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.098 ug/L  
 RT: 7.03 min Scan# 1848  
 Delta R.T. -0.04 min  
 Lab File: VV012301.D  
 Acq: 20 Aug 2019 02:22

Tgt Ion: 75 Resp: 1458  
 Ion Ratio Lower Upper  
 75 100  
 77 43.3 21.5 39.9#





#42

Toluene

Concen: 0.172 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012301.D

Acq: 20 Aug 2019 02:22

Instrument :

MSVOA\_V

ClientSampleId :

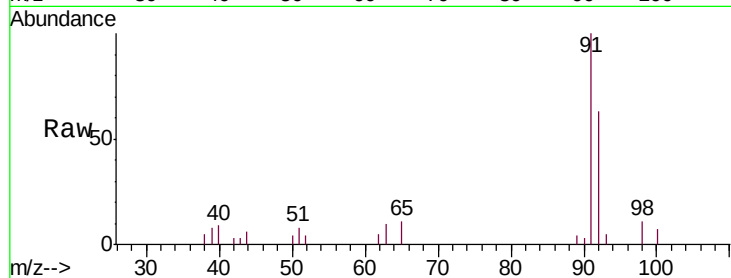
C0AG8

Tgt Ion: 91 Resp: 7638

Ion Ratio Lower Upper

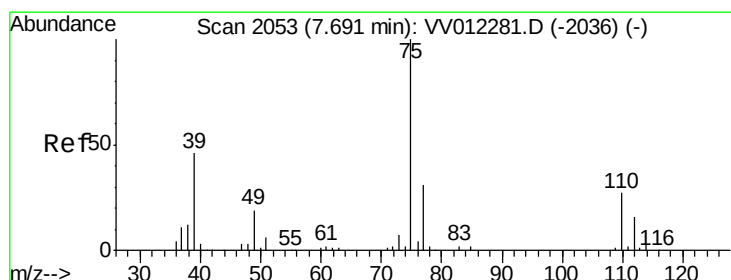
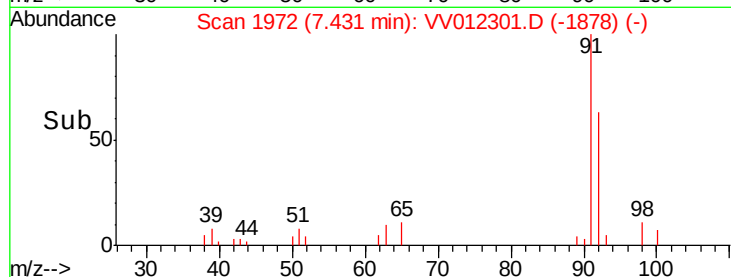
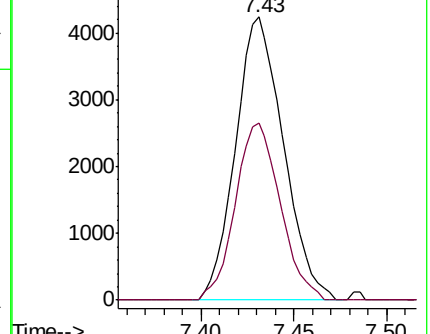
91 100

92 62.7 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.064 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV012301.D

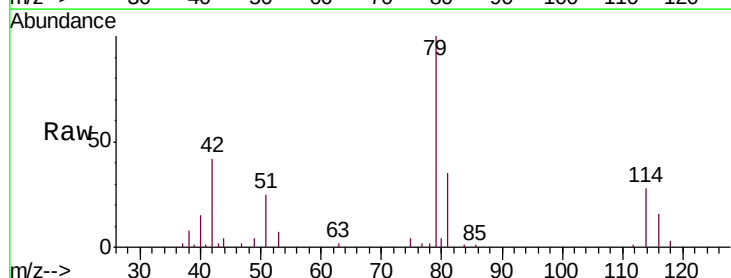
Acq: 20 Aug 2019 02:22

Tgt Ion: 75 Resp: 760

Ion Ratio Lower Upper

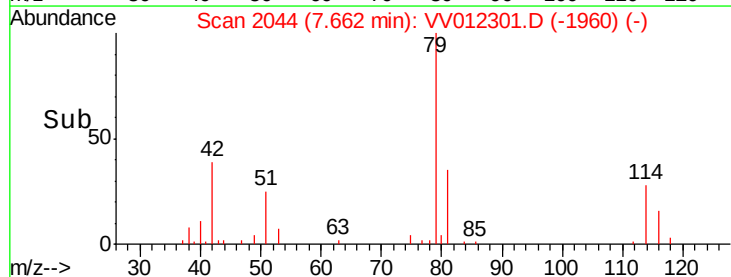
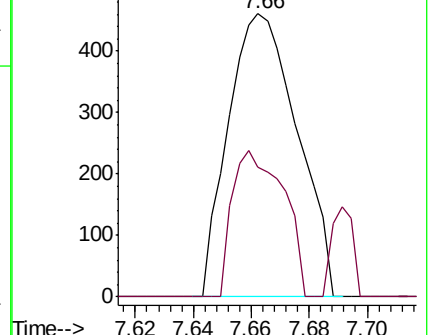
75 100

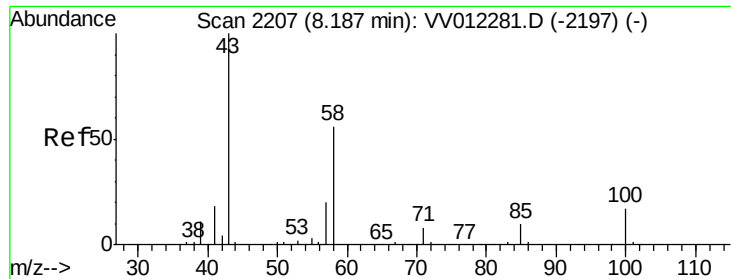
77 45.8 22.1 41.1#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

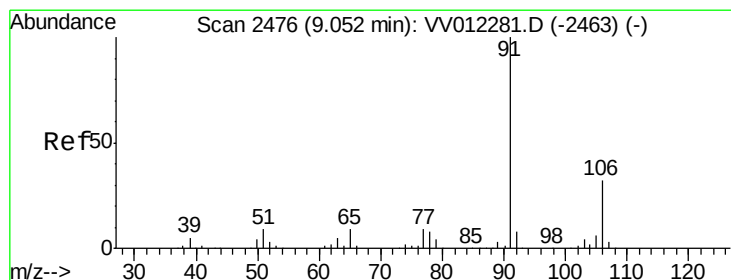
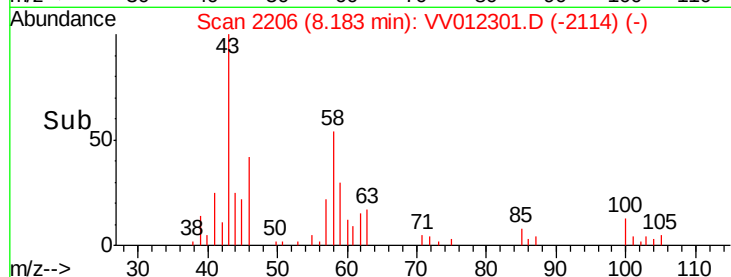
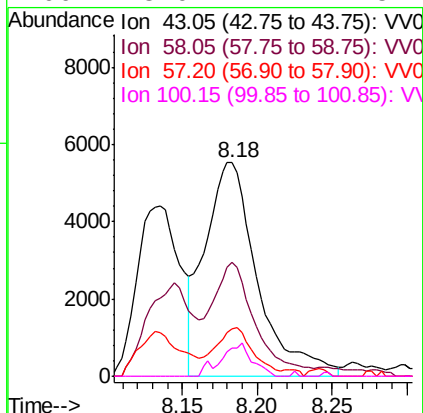
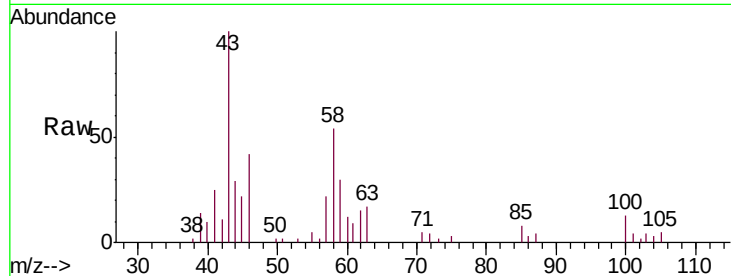




#48  
2-Hexanone  
Concen: 3.807 ug/L  
RT: 8.18 min Scan# 2206  
Delta R.T. -0.00 min  
Lab File: VV012301.D  
Acq: 20 Aug 2019 02:22

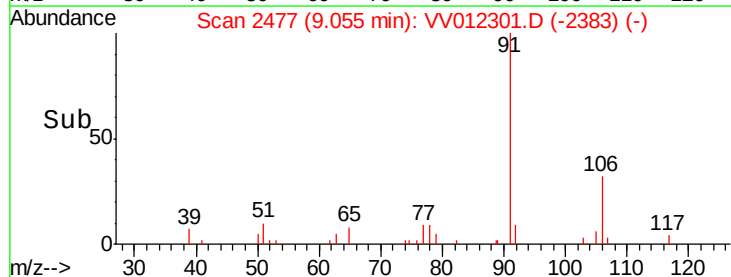
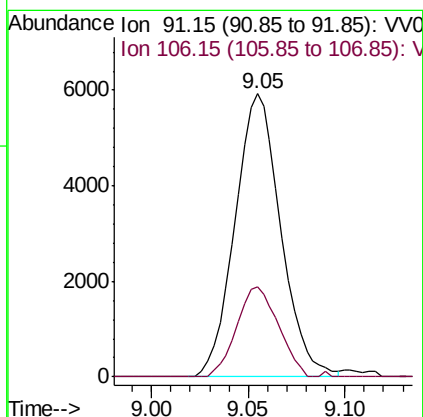
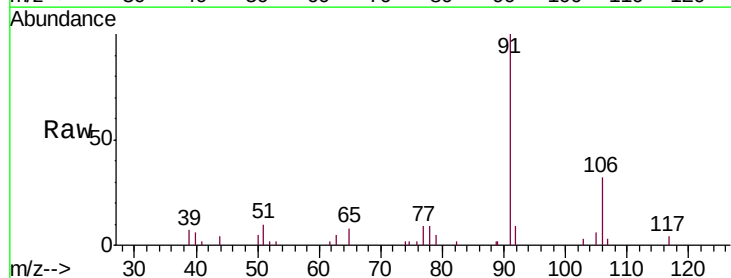
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AG8

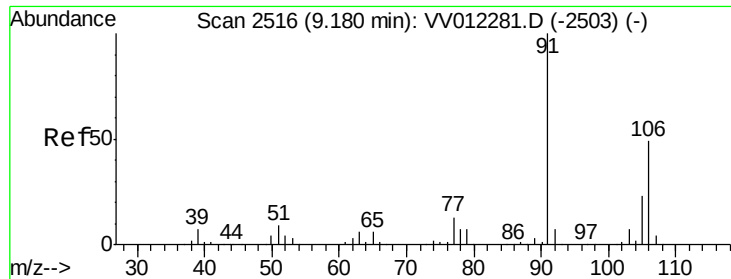
Tgt Ion: 43 Resp: 13523  
Ion Ratio Lower Upper  
43 100  
58 39.2 45.4 68.2#  
57 16.7 16.8 25.2#  
100 8.0 12.2 18.2#



#52  
Ethylbenzene  
Concen: 0.196 ug/L  
RT: 9.05 min Scan# 2477  
Delta R.T. 0.00 min  
Lab File: VV012301.D  
Acq: 20 Aug 2019 02:22

Tgt Ion: 91 Resp: 9748  
Ion Ratio Lower Upper  
91 100  
106 31.9 21.6 40.0

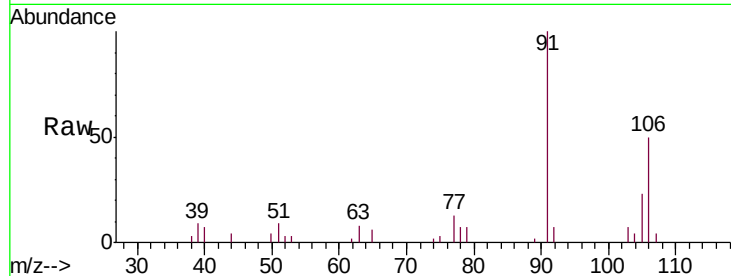




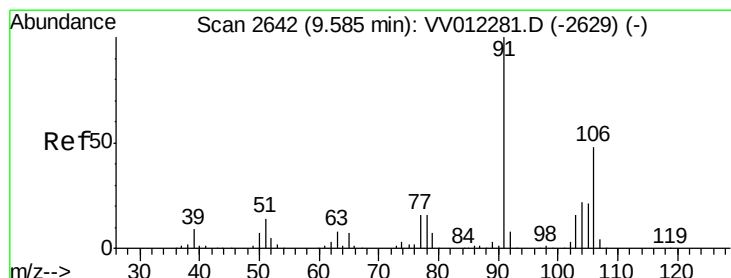
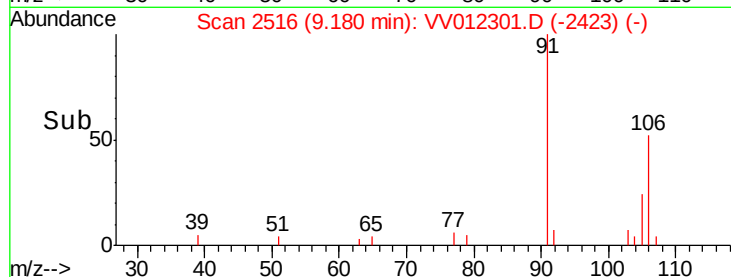
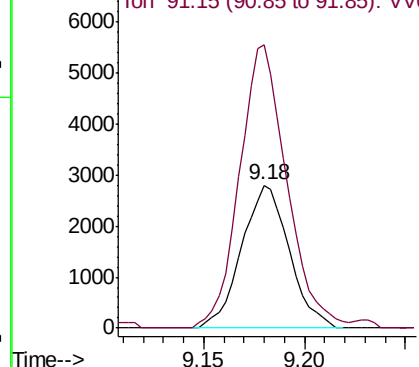
#53  
m,p-xylene  
Concen: 0.238 ug/L  
RT: 9.18 min Scan# 2516  
Delta R.T. -0.00 min  
Lab File: VV012301.D  
Acq: 20 Aug 2019 02:22

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AG8

Tgt Ion:106 Resp: 4627  
Ion Ratio Lower Upper  
106 100  
91 198.3 136.0 252.6

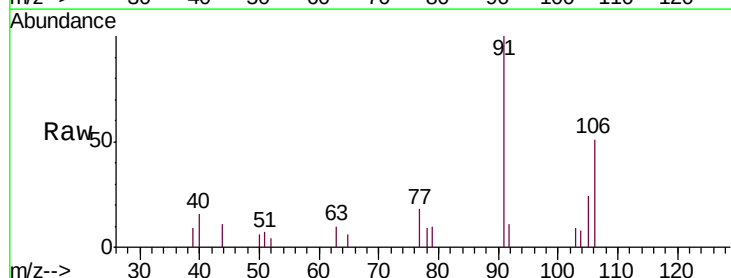


Abundance Ion 106.15 (105.85 to 106.85): V  
Ion 91.15 (90.85 to 91.85): VV0

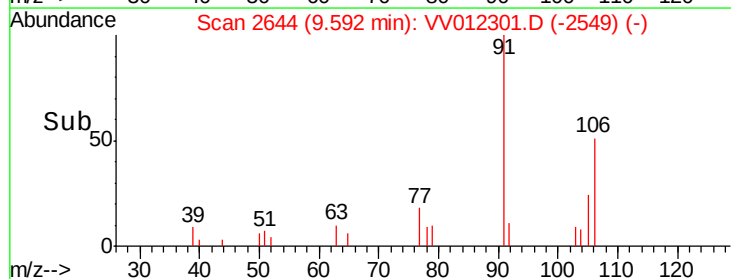
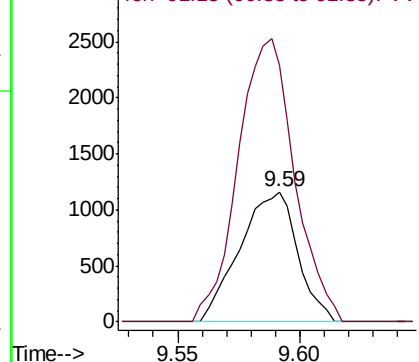


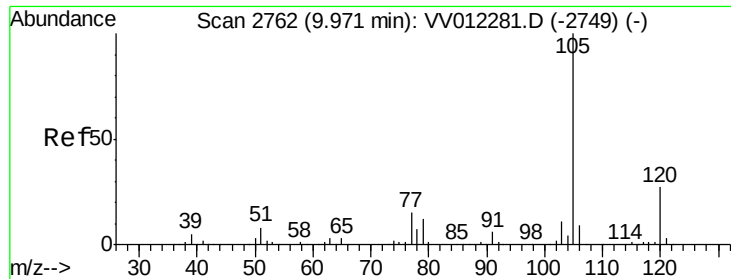
#54  
o-xylene  
Concen: 0.102 ug/L  
RT: 9.59 min Scan# 2644  
Delta R.T. 0.01 min  
Lab File: VV012301.D  
Acq: 20 Aug 2019 02:22

Tgt Ion:106 Resp: 1905  
Ion Ratio Lower Upper  
106 100  
91 197.8 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): V  
Ion 91.15 (90.85 to 91.85): VV0





#56

Isopropylbenzene

Concen: 0.060 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012301.D

Acq: 20 Aug 2019 02:22

Instrument :

MSVOA\_V

ClientSampleId :

C0AG8

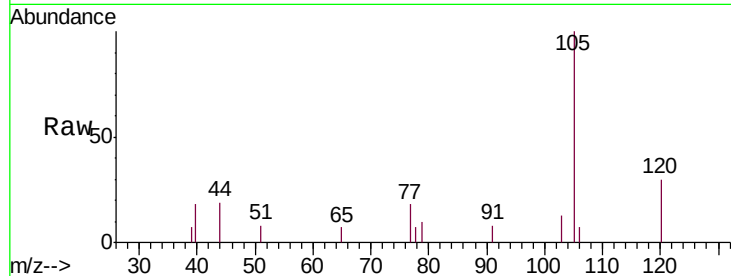
Tgt Ion:105 Resp: 3075

Ion Ratio Lower Upper

105 100

120 29.5 21.4 32.0

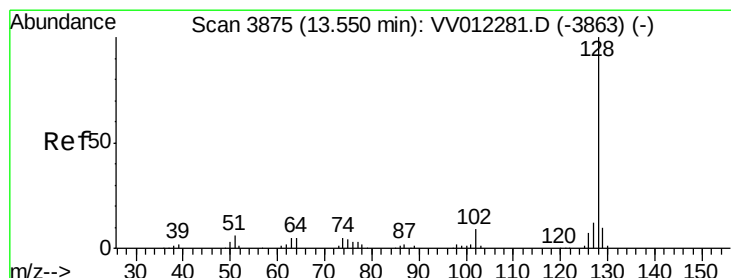
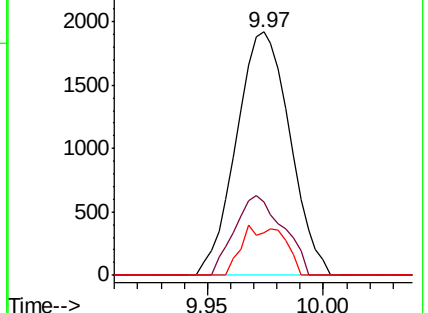
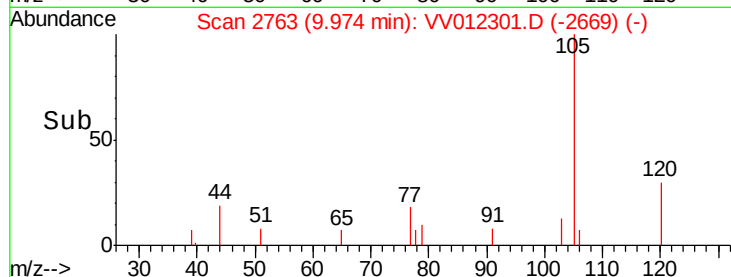
77 16.0 12.2 18.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#69

Naphthalene

Concen: 27.925 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012301.D

Acq: 20 Aug 2019 02:22

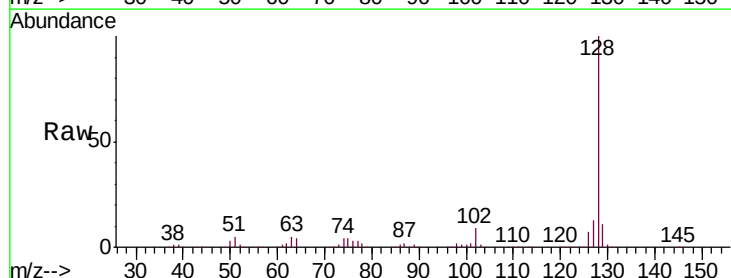
Tgt Ion:128 Resp: 616136

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

127 13.0 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

